PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT (PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 793-104PCT2	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below		
International application No. PCT/CA2005/000491	International filing date (day/month/ye 01 April 2005 (01-04-2005)	(Earliest)Priority date (day/month/year) 01 April 2004 (01-04-2004)	
Applicant NOVATION PHARMACEUTIC	CALS INC. ET AL		
This international search report has been pre- Article 18. A copy is being transmitted to the		Authority and is transmitted to the applicant according to	
This international search report consists of a	a total of 6 sheets.		
[X] It is also accompanied by a cor	by of each prior art document cited in thi	iis report.	
1. Basis of the report	<u> </u>	1)	
a. With regard to the language, the inte	rnational search was carried out on the l	basis of:	
[X] the international appli	ication in the language in which it was f	filed	
[] a translation of the integral of a translation furnish	ernational application into ned for the purposes of international sear	, which is the language arch (Rules 12.3(a) and 23.1(b))	
b. [X] With regard to any nucleotide a	and/or amino acid sequence disclosed i	in the international application, see Box No. I	
2. [] Certain claims were found un	searchable (see Box No. II)		
3. [] Unity of Invention is lacking (see Box No. III)		
 With regard to the title, 			
[X] the text is approved as submitte	d by the applicant		
[] the text has been established by	this Authority to read as follows:		
With regard to the abstract,			
[X] the text is approved as submitted	d by the applicant		
[] the text has been established, ac	cording to Rule 38.2(b), by this Authori	ity as it appears in Box No. IV. The applicant	
may, within one month from the	date of mailing of this international sea	arch report, submit comments to this Authority	
 With regard to the drawings, 			
a. the figure of the drawings to be	published with the abstract is Figure No	lo. 3A	
[X] as suggested by the app	olicant		
as selected by this Auti	nority, because the applicant failed to su	iggest a figure	
	nority, because this figure better characte		
· · · · · · · · · · · · · · · · · · ·	be published with the abstract		

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Box No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to claimed invention, the international search was carried out on the basis of: 		
a. type o	f material	
[X]	a sequence listing	
[]	table(s) related to the sequence listing	
b. forma	of material	
[X]	on paper	
[X]	in electronic form	
c. time o	filing/furnishing	
[X]	contained in the international application as filed.	
[x]	filed together with the international application in electronic form	
[]	furnished subsequently to this Authority for the purposes of search.	
2. [] In a	idition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been	
fileo appi	or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the ication as filed or does not go beyond the application as filed, as appropriate, were furnished.	
3. Additiona	comments:	
	•	
	•	

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_	_	_	Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)
Box		0. 1	national search report has not been established in respect of certain claims under Article 17(2)(a) for the following
Thi	s in	ter s:	national search report has not been established in respect of
1.]		Claim Nos. : because they relate to subject matter not required to be searched by this Authority, namely :
2.	[]	Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	[]	Claim Nos.: because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Bo	x N	0.	III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
_	_		national Searching Authority found multiple inventions in this international application, as follows:
			As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite
2.	L	1	As all searchanic claims could be searched without entire justifying auditional rocs, this relationship claims and payment of additional fees.
3.	E]	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos.:
4.	[]	No required additional search fees were timely paid by the applicant. Consequently, this international search report is
			restricted to the invention first mentioned in the claims; it is covered by claim Nos. :
			Remark on Protest [] The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
			 The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
			No protest accompanied the payment of additional search fees.

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7): C12N 15/63, C12Q 1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(7): C12N 15/63, C12Q 1/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)
Canadian Patert Database, Delphion, Pubmed, STN CaPlus (keywords: instability sequence, vector, assay, AREs, CDRs AU-rich,
AUIUA, and/or ATITA)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
WO 00 39314 A1 (NOVATION PHARMACEUTICALS INC.) 6 July 2000 (06-07-2000) whole document	1-4 and 6-22 5
WO 00 38674 A1 (NOVATION PHARMACEUTICALS INC.) 6 July 2000 (06-07-2000) whole document	1-4, 6-8, 10-16 and 18-21
KASTELIC T ET AL: "Induction of rapid IL-1 β mRNA degradation in THP-1 cells mediated through the AU-tich region in the 3UTR by a radicicol analogue", CYTOKINE. October 1996, Vol. 8, No. 10, pages 751-761 see page 758, second paragraph	1-4 and 6-8
YEILDING N ET AL: "Coding elements in exons 2 and 3 target o-myc mRNA downregulation during myogenic differentiation", MOLECULAR AND CELLULAR BIOLOGY. May 1997, Vol 17, No. 5, pages 2698-2707 whole document; see especially figure 1	1-8
	WO 00 39314 A1 (NOVATION PHARMACEUTICALS INC.) 6 July 2000 (06-07-2000) whole document WO 00 38674 A1 (NOVATION PHARMACEUTICALS INC.) 6 July 2000 (06-07-2000) whole document KASTELK T ET AL. "Induction of rapid IL-1β mRNA degradation in THP-1 cells mediated through the AU-rich region in the 3'UTR by a radiciool analogue", CYTOKINE. October 1996, Vol. 8, No. 10, pages 751-761 see page 758, second paragraph YEILDINO N ET AL. "Coding elements in exons 2 and 3 target o-myc mRNA downregulation during myogenic differentiation", MOLECULAR AND CELLULAR BIOLOGY, May 1997, Vol 17, No. 5, pages 2698-2707

[X]	Further documents are listed in the continuation of Box C.	[X] See patent family annex.		
·	Special estegories of cited documents :	"I" Ister document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention		
"A"	document defining the general state of the art which is not considered to be of particular relevance			
"E"	earlier application or patent but published on or after the international filing date	"X" document of perticular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
T.	document which may throw doubts on priority claims(s) or which is cited to entablish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an invention step when the document is combined with one or more other such documents, such combination being olivious to a person skilled in the art.		
"0"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family		
"P"	document published prior to the international filing date but later than the priority date claimed	accument memoer of the same patent tarrily		
Date of the actual completion of the international search		Date of mailing of the international search report		
15 July 2005 (15-07-2005)		23 August 2005 (23.08.2005)		
Nam	e and mailing address of the ISA/CA	Authorized officer		
Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9		Kristoffer Wilde (819) 953-0551		
				Facs

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	ion). DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	-
ategory*	ROSS J ET AL: "mRNA stability in mammalian cells", MICROBIOLOGICAL REVIEWS. September 1995, Vol. 59, No. 3, pages 423-45 whole document	1-22	
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INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/CA2005/000491

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
WO0039314	06-07-2000	AU776604 B2 AU1852200 A CA2356621 A1 EP1141358 A1 GB9828709D D0 JP2002541767T T US2004231007 A1	16-09-2004 31-07-2000 06-07-2000 10-10-2001 17-02-1999 10-12-2002 18-11-2004
WO0038674	06-07-2000	AU779438 B2 AU1852100 A CA2356622 A1 EP1140069 A1 GB9828707D D0 GB9828710D D0 JP2002533389T T US6635671 B1	27-01-2005 31-07-2000 06-07-2000 10-10-2001 17-02-1999 17-02-1999 08-10-2002 21-10-2003